

Substitute	for form 1449A/PTO			Co	omplete if Known			
			CUDE	Application Number	To be assigned 10/60 7,082			
INFU	NFORMATION DISCLOSURE STATEMENT BY APPLICANT	OUKE	Filing Date	June 25, 2003				
STATEMENT BY APPLICANT				First Named Inventor	Jeremy Myles			
	(use as many sheet			Art Unit	To be assigned 2882 To be assigned 1600			
	1030 20 111217 011201	10100000	<u></u> -	Examiner Name				
Sheet	1	of	2	Attorney Docket Number	5513P012			

			U.S. PATENT	DOCUMENTS							
Examined City Document Number Publication Date Name of Releases or Applicant Pages, Column											
initials*	No.1	Number - Kind Code ² (if known)	Issue Date MN-OD-YYYY Name of Patenties or Applicant of Cited Document		Relevant Passages or Relevant Figures Appear						
		US-									
		US-									
		US-									
		US-									
		US-									
		US-									
		US-			311						
		US-			·						
		US-									
		US-									
		US-		· · · · · · · · · · · · · · · · · · ·							
		US-									
		US-									
		US-									
		US-									
		US-									
		∕US-									
		US-									
		US-									
		US-									

		FOR	EIGN PATEN	TOCUMENTS	
Examiner	Cite	Foreign Patent Document			Pages, Columns, Lines,
Initials*	No.'	Country Code* - Number* - Kind Code* (if known)	Publication Date MM-DD-YYYY Applicant of Cited Document		Where Relevant Passages or Relevant Figures Appear
	<u> </u>				

*Examinar. Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Date

Considered

1/11/03

'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspio.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. 'Yond of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (05-03) as modified by Blakely, Solokoff, Taylor & Zafman (wir) 05/02/2003.

Examiner

Signature





Complete if Known Substitute for form 1449A/PTO Application Number To be assigned 10/60 7082 INFORMATION DISCLOSURE Filing Date June 25, 2003 STATEMENT BY APPLICANT First Named Inventor Jeremy Myles 2882 Art Unit To be assigned **Examiner Name** To be assigned Kac Sheet 2 of 2 Attorney Docket Number 5513P012

		OTHER ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	τ²
4		"Advanced Workstation for Irregular Field Simulation and Image Matching," Copyright 1999 MDS Nordion (7 pages)	
	 		-
			
	·		
			

Examiner Signature	£	Date Considered	4/11/05

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

'Applicant's unique citation designation number. 'Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08B (05-03) as modified by Blakely, Solokoff, Taylor & Zafman (wtr) 05/02/2003. Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

B 1013 Shubstitute for form 1449A/PTO
SINFORMATION DISCLOSURE
STATEMENT BY APPLICANT

1

Sheet 1 of

Co	omplete if Known
Application Number	10/607,082
Filing Date	June 25, 2003
First Named Inventor	Jeremy Myles
Art Unit	To be assigned 2882
Examiner Name	To be assigned Kao
Attorney Docket Number	5513P012

			U	S. PATE	NY DOC	UMENTS					
		Document Number		ation Date	1				Basse	, Columns, Lines, Whe	
Examiner Initials*	Cite No.'	Number - Kind Code ^a (if known)	or is:	sue Date		Name of F Applicant of C	Patentee or lited Document	cl	Releva	int Passages or Releva	ant
\varkappa		US-6,104,778	08-1	5-2000	Murad					/	_
-1-		US-									
		US-								FOEN	,
		US-							H	ECEIV	
		US-									
		US-							į	AUG 2 0 2	ÛÛS
	l	US-							7	I C	1 (
		US-				-			i tecn	nology Ceni	ier z
		US-		-							
		US-		-		 · · · · · · · · · · · · · · · · ·					
		US-									
		US-									
		US-				•					
		US-									
		US-									
		US-				•					
		US-									
		US-									
		US-									
		US-									
			FOF	REIGN	PATENT	DOCUME	NTS				
	Cite	Foreign Patent Occurnent							1 000	es, Columns, Lines,	Т
xaminer Initials*	No.1	Country Code* - Number* - Kind Code* (#	known)	Publication MM-DD	on Date	Na: Applica	ne of Patentee on nt of Cited Docu	or iment	Whe	es, Columns, Lines, re Relevant Passages levant Figures Appear	T*
											-
		- -									Ш
											Ш
											-
											\perp
								-			$\vdash \vdash$
	1 1										\vdash
									1		
											╁╌┤

*Examiner, Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 'For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely. Solokoff, Taylor & Zafman (wtr) 08/11/2003.

Substitute f	or Form 1449	P/PTO		-			Comple	te if	Клоч	
OIPE			TION DI	SCLOSUR	_	┢	pplication Number			507,082
ro > 3	MNLOK	IVIA	TION DE	SCLUSUR	C	-	iling Date			e 25, 2003
	\mathcal{L}		INT RV	PPLICAN'	Т	⊢				
APR 1 9 2004	441				1	F	irst Named Inventor:			my R. Myles
Mr. 1 5	អ្ន	(use as	many sheets as i	necessary)		LA	rt Unit		288	2
	8					Ε	xaminer Name		- TB	x Kao
STERRIEUS	1EAN 1 of 9					Α	ttomey Docket Number	7	551	3.P012
				U.S. PATEN	T DOCUMENTS	;				
Examiner	Cite No.				Publication Date	1	Name of Patentee or			s, Columns, Lines,
Initials*			Document	Number	MM-DD-YYYY	/	Applicant of Cited Docume	ent		Vhere Relevant
		Num	ber-Kind Code ² (if	t		- ا	Panielsson et al.			sages or Relevant Igures Appear
		140111	Del-Killa Code (il	known)		٧	/anie133011 - 111	ग	500	ушоз Аррои
4		US-	3,133,227		5/12/1964		Brown et al.			,
• 7		US-	3,193,717		7/6/1965		Nunan	1		
		US-	4,209,706		6/24/1980		Nunan	_		
		US-	4,726,046		2/16/1988		Nunan		-	
		U\$-	5,471,546	5,471,516	11/28/1995		Nunan	1		
		US-	6,508,586	1/21/03-	1/1/2003	\square	Oota			
		US-	6,429,578	8/6/02-	> -8/1/2002	14	_Danielson_et at:)		•
		US-	6,325,537	12/4/01-	> 12/1/2001		Watanabe	j		
		US-	6,307,914	10/23/01-	-10/1/2001		Kunieda et al.			
		US-	6,104,780	8/15/00-	> -8/1/2000 −		Hanover et al.			
		US-	6,031,888	2/29/00-	9 - 2/1/2000		Ivan et al.	_		
	-	US-	5,751,781	5/12/98-	> -5/1/1998 -		Brown et al.	_		
1		US-	5,537,452	7/16/96-	> -7/1/1996 -	1	→ Sheepard et al.			
		US-	5,394,452	2/28/95 -	> -2/1/1995		Swerdloff et al.	J	-	
EL		US-	6,144,875		11/7/2000	\prod	Schweikard et al.	_		
				9		Ţ	. Shepherd et a	1,		
·				FOREIGN PAT	ENT DOCUME	NT	'S			

		FO	REIGN PATEN	T DOCUMENTS		
Examiner Initials*	Cite No.¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T°
4		EP 0480035 B1	11-9-1994	Hara -		N

Examiner Signature	6	Date Considered	4/11/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Substitute	for Form 1449	/PTO			Complet	e if	Know	
505544646			TICKI BICCI COLID	_	Application Number	<u> </u>	10/60	
•	INFOR	KIVIA	TION DISCLOSUR	E				
	CTAT	- 8 <i>A</i> C	ENT DV ADDLICAN	т .	Filing Date		† · · · · ·	25, 2003
			ENT BY APPLICAN	I	First Named Inventor:		Jerem	y R. Myles
		(use as	s many sheets as necessary)		Art Unit		2882	
					Examiner Name		TBA	- Kao
Sheet	2		5513.P012	- 9	Attorney Docket Number		55131	2012
			U.S. PATEN	T DOCUMENTS				
Examiner Initials*	Cite No.1		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	nt	W	s, Columns, Lines, here Relevant ages or Relevant
		Num	ber-Kind Code ² (If known)	•		[4]		gures Appear
4.		US-	4,149,247	4/10/1979	Pavkovich et al.	\vdash		—
		US-	4,149,248	4/10/1979	Pavkovich ***	_	~	
		US-	5,099,505	3/24/1992	Seppi et al.	-		
		US-	5,117,445	5/26/1992	Seppi et al.	-		-
		US-	5,168,532	12/1/1992	Seppi et al.]_		
		US-	5,335,255	8/2/1994	Seppi et al.	-		T
		US-	5,692,507	12/2/1997	Seppi et al.	T-	_	
		US-	6,222,901	4/24/2001	Meulenbrugge et al.	 -	-	
		US-	2001/0008271	7/19/2001	lkeda et al.	-	-1	
1		US-	6,041,097	3/21/2000	Roos et al.	1-		
1,		US-	6,381,302	4/30/2002	Berestov	1-1	-	
4		US-	6,385,286	5/7/2002	Fitchard et al.	$\overline{\Gamma}$	-	
		US-						
		US-						
		U\$-						

		FO	REIGN PATENT	DOCUMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т•

Examiner	£	Date Considered	16 600
Signature			4111(85)

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For it is appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language translation is attached.

This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Substitute f	or Form 1	449A/PT0	O (Modifie		Comple	ete if Known	
					Application Number	10/607,082	
INFORMATION DISCLOSURE		Filing Date	June 25, 2003				
STA	TEME	NT B	Y API	PLICANT	First Named Inventor:	Jeremy R. Myles	
	(use as	many sheet	s as neces	isary)	Group Art Unit	2882	
					Examiner Name	TBA Kao	
Sheet	3		of	9	Attorney Docket Number	5513.P012	
Sheet				R ART - NO PATE	NT LITERATURE DOCUMEN	TS	
Examiner Initials*	Cite No ¹	item	n (book, n	nagazine, journal, sei number(s), publi	AL LETTERS), title of the article (rial, symposium, catalog, etc.), da isher, city and/or country where pa	ite, page(s), volume-issue ublished	T²
ek		BALTER Radiation	R, James on Oncol	s M. et al., "Daily Ta ogy Biol. Phys., vol	argeting of Intrahepatic Tumor . 52, no. 1 (2002), pp. 266-271	s for Radiotherapy," Int. J.	
		Radioth	erapy Ap	plications," Med. P	ited Tomography With a Linea Phys., vol. 10, no. 4, July/Augus	st 1983; pp. 416-420	
		Treatme	MOSLEH-SHIRAZI, Mohammad Amin et al., "A Cone-Beam Megavoltage CT Scanner for Treatment Verification in Conformal Radiotherapy," Radiotherapy and Oncology, vol. 48 (1998), pp. 319-328				
		MIDGLEY, S. et al., "A Feasibility Study for Megavoltage Cone Beam CT Using A Commercial EPID," Phys. Med. Biol., vol. 43 (1998), pp. 155-169					
		44 (1999	9), pp. 29	597-2621	e CT on a Tomotherapy Syste		
		Thoracio	: Tumors	s: Original Researc	Megavoltage CT-Assisted Ster th in the Treatment of Thoracion . 48, no. 2, (2000), pp. 449-45	c Neoplasms," Int. J.	
		GROH,	B.A. et a	I., "A Performance	Comparison of Flat-Panel Ime 9, no. 6, June 2002, pp. 967-9	ager-Based MV and kV	
		Therapy Evaluation 1999, pp	With a found on of Z-A b. 337-33	Fusion of Compute Ixis With a Z-Mark 19	sitioning Accuracy of Framele d Tomography and Linear Acc er," Radiotherapy and Oncolo	celerator (FOCAL) Unit: gy, vol. 50, no. 3, March	٠
		UEMATSU, Minoru, M.D. et al., "A Dual Computed Tomography Linear Accelerator Unit for Stereotactic Radiation Therapy: A New Approach Without Cranially Fixated Stereotactic Frames," Int. J. Radiation Oncology Biol. Phys., vol. 35, no. 3 (1996), pp. 587-592					
		Tomogra Cancers Oncology	ophy (CT With a f y Biol. Pl)-Guided Frameles Fusion of CT and L nys., vol. 48, no. 2	afractional Tumor Position St ss Stereotactic Radiation The inear Accelerator (FOCAL) U (2000), pp. 443-448	rapy for Lung or Liver nit," Int. J. Radiation	
4		JAFFRA' Integrate	Y, David d Into a	A., Ph.D. et al., "A Medical Linear Acc	Radiographic and Tomograp celerator for Localization of Bo Biol. Phys., vol. 45, no. 3 (19	one and Soft-Tissue	

Examiner	Date	11/11/20
Signature	Considered	4/11/07

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{&#}x27;Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Substitute	for Form 1	449A/PT	O (Modifie	d)	Compl	ete if Known			
SUDSTITUTE		TION	DISC	I OSLIDE	Application Number	10/607,082			
INFORMATION DISCLOSURE		Filing Date	June 25, 2003						
STATEMENT BY APPLICANT				PLICANT	First Named Inventor:	Jeremy R. Myles			
	(use as	many shee	ts as naces	sary)	Group Art Unit	2882			
					Examiner Name	Kao			
Sheet	4		of	. 9	Attorney Docket Number	5513.P012			
Oncor			OTHE	R ART - NO PATE	NT LITERATURE DOCUMEN	ITS			
Examiner Initials*	Cite No 1	iten	e name of n (book, n	the author (in CAPITA nagazine, journal, ser number(s), publi	AL LETTERS), title of the article (rial, symposium, catalog, etc.), dasher, city and/or country where p	(when appropriate), title of the ate, page(s), volume-issue ublished	T ²		
R.		Electron Phys., v	nic Kilovo vol. 47, ne	oltage and Megavol o. 3 (2000), pp. 825	Error in Radiotherapy: On-line tage Radiographs," Int. J. Rad i-839	fiation Oncology Biol.			
		Radiog	raphy," M	led. Phys., vol. 27,	on of a Fluoroscopic Imaging S no. 5, May 2000, pp. 898-905				
		Panel Ir 1311-13	nager: In 323	itial Performance C	N, J.H., "Cone-Beam Compute Characterization," Med. Phys.,	vol. 27, no. 6, June 2000,			
		Recons Nonidea	truction (alities," M	Jsing a C-Arm Mou led. Phys., vol. 27,	SWORTH, D. W., "Three-Dimensional Computed Tomographic C-Arm Mounted XRII: Image Based Correction of Gantry Motion lys., vol. 27, no. 1, January 2000, pp. 30-38				
			AMP, L.A 184; pp. 6		one-Beam Algorithm," J. Opt.	Soc. Am. A., vol. 1, no. 6,			
		Geomet Med. Ph	try (With nys., vol.	Specific Application 27, no. 8, August 2	AFFRAY, David A., "Optimization of X-Ray Imaging tion to Flat-Panel Cone-Beam Computed Tomography),"				
1		With a F	lat-Pane	Jeffery H. and JAF I Imager: Magnitud , pp. 220-231	FRAY, David A., "Cone-Beam le and Effects of X-Ray Scatt	n Computed Tomography er," Med. Phys., vol. 28, no.			
4				al., "Cone-Beam C 163-1883	T for Radiotherapy Application	ns," Phys. Med. Biol., vol.			
			. OE						

Examiner Signature	Date Considered	4/11/05
Signature		

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Substitute	for Form 1	449/PTO		Compl	ete if Known			
INIE		TION DISCL	OSLIBE	Application Number	10/607,082			
	-			Filing Date	June 25, 2003			
STA	TEME	NT BY APP	LICANT	First Named Inventor:	Jeremy R. Myles			
	(use as	many sheets as necess	ary)	Art Unit	2882			
				Examiner Name	JBA Kao			
Sheet	5	5513P012	9	Attorney Docket Number	5513P012			
		N	ON PATENT LITE	RATURE DOCUMENTS				
Examiner Initials*	Cite No ¹		gazine, journal, seri	L LETTERS), title of the article (val, symposium, catalog, etc.), dat her, city and/or country where pu	e, page(s), volume-issue	T²		
'A'				a a Beam Outline Transfer Dev 1), Jan/Feb 1993, pgs. 179-18				
				iter Vision in RAdiology (COV , Citation from Dissertation Ab				
		KEYS, "A CCTV-Microcomputer Biostereometric System for Use in Radiation Therapy (Topography, Medical Physics, Tissue Compensators), 1984, Citation from Energy Science and Technology, 1 page.						
		KUTCHER et al., "Three dimensional radiation treatment planning", Citation from Engineering Index, 1988, 2 pages.						
				or and Treatment Planning Control itation from INSPEC., 1 page.				
				entation for Radiation Treatme e (R) Database, 1 page.	nt Planning", IBM Systems			
				t of Integrated CT Simulation 5 , 1993, Citation from Medline		***		
		GADEMANN et al Integration", Strah		nsional Radiation Planning. Studies on Clinical 1993, 1 page.				
		RAGAN, "Correcti based Simulation"		on in a Beam Outline Transfer Device in Radkotherapy CT- 1993, 1 page.				
				tient Contour Acquisition Syst Phys., 1989, 1 page.	em for the Design of			
4		REYNOLDS, "An A Beams", Med Phy		e-Dimensional Visualization o	f Radiation Therapy			

Examiner	A.	Date	111-
Signature		Considered	4111/05

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Complete if Known Substitute for Form 1449/PTO Application Number 10/607,082 INFORMATION DISCLOSURE Filing Date June 25, 2003 STATEMENT BY APPLICANT First Named Inventor: Jeremy R. Myles (use as many sheets as necessary) Art Unit 2882 **Examiner Name** TBA-(<u>90</u> 5513P012 **Attorney Docket Number** 5513.P012 Sheet NON PATENT LITERATURE DOCUMENTS T2 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Examiner Cite No¹ item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue Initials* number(s), publisher, city and/or country where published MOHAN, "Intersection of Shaped Radiation Beams with Arbitrary Image Sections", Comput Methods Programs Biomed, 1987, 1 page. BREWSTERFUAUF, "Automatic Generation of Beam Apertures", Medical Physics, 1993, 1 page. HARA et al., "Radiotherapeutic System", 00480035/EP-B1, Citation from World Patent, 1994, 1 page. MOORE, "Radiation Image Generating System and Method", 19920202020WO-A1, 1992, 1 SEPPI, "Computed Tomography Apparatus Using Image Intensifier Detector", 1992000567/WO-A1, 1 page. BOVA, "Dosimetric Technique for Stereotactic Radiosurgery", 1990014129/WO-A1, 1990, 1 page. KAZUFUMI, "Radiation Treatment Device", 05057028 JP, 1993, 1 page. INAMURA, "CT Simulator For Radiotherapy", 63294839 JP, 1988, 1 page. MOORE, "Radiation Image Generating System and Method", Citation from US Patent, Issued 1993, 2 pages. NISHIHARA, "Therapeutic Apparatus", Issued 1991, 2 pages. Jaffray, "Cone-Beam CT: Application in Image Guided External Beam Radiotherapy and Brachytherapy", IEEE, 2000, 2 pages. NING et al., "An Image Intensifier-Based Volume Tomographic Angiography Imaging System: System Evaluation," SPIE, Vol., 2432, pages, 280-290 "Advanced Workstation for Irregular Field Simulation and Image Matching", Copyright 1999. MDS Nordion, 7 pages.

Examiner	K ^	Date	11 1 1
Signature	a	Considered	4/11/05

^{*}Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute	for Form 144		Complete if Known					
	INEOD	TION DISCLOSUR	Application Number		10/6	10/607,082		
					Filing Date		June	e 25, 2003
	STATE	EME	ENT BY APPLICAN'	Τ	First Named Inventor:		Jere	my R. Myles
		(use as	s many sheets as necessary)		Art Unit		288	
					Examiner Name		TD	Kao .
Sheet	7		of	9	Attorney Docket Number			3P012
			U.S. PATEN	T DOCUMENTS				
Examiner	Cite No.			Publication Date	Name of Patentee or			s, Columns, Lines,
Initials*			Document Number	MM-DD-YYYY	Applicant of Cited Documer	nt		/here Relevant
								sages or Relevant
•		Num	ber-Kind Code ² (if known)			<u>,</u>	<u> </u>	igures Appear
<u> </u>						<u>حا</u>	300	
Q.		US-	4,208,675	6/17/1980	Bajon et al.			1
į		US-	4,521,808	6/4/1985	Ong et al.	-		
		US-	4,593,967	6/10/1986	Haugen	1-		
		US-	4,675,731	6/23/1987	Takasu et al.	<u> -</u>		
		US-	4,679,076	7/7/1987	Vikterlöf et al.	-		
		US-	4,741,621	5/3/1988	Taft et al.	-		
		US-	4,825,393	4/25/1989	Nishiya	<u> </u>		
		US-	4,853,777	8/1/1989	Нирр	<u> </u> -		
	•	US-	4,868,844	9/19/1989	Nunan		-7	
\neg		US-	3,144,552	8/11/1964	Schonberg of al	-	-T	
#		US-	5,080,100	1/14/1992	Trotel	_	-1	
		US-						
		US-						
		US-						
		US-						

Examiner Cite No.1		Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	_ c1	Lines, Passa	, Columns, Where Relevant ges or Relevant s Appear	T°
4		PCT WO 85/03212 A1	8/1/1985	Michaels	-	-		N
1.		EP 0062941 B1	9/26/1984	De Vogel				
		EP 0205720 A1	12/30/1986	Brahme		/		
		FR 2 269 745	11/28/1975	Lescrenier	_	F/		
#		FR 2 551 664	3/15/1985	Riviere		-1		N

Examiner	4	Date Considered	
		June considered 4(11/0)	5
Signature			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁸Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Substitute	for Form 1449	/PTO			Complete it	Known
	INFOR	ΛΛΔ	TION DISCLOSUR	Application Number	10/607,082	
					Filing Date	June 25, 2003
	STATE	EME	ENT BY APPLICAN	Τ	First Named Inventor:	Jeremy R. Myles
	,	(use es	s many sheets as necessary)		Art Unit	2882
					Examiner Name	TBA Kao
Sheet	8		5513P012	9	Attorney Docket Number	5513P012
			U.S. PATEN	T DOCUMENTS	· · · · · · · · · · · · · · · · · · ·	
Examiner	Cite No.	r	0.0. TATEI	Publication Date	Name of Patentee or	Pages, Columns, Lines,
Examiner Initials*	Cite No.	l	Document Number	MM-DD-YYYY	Applicant of Cited Document	Where Relevant
imuais		├─	Document Number	WINTED	Applicant of older boothicit	Passages or Relevant
		Num	ber-Kind Code ² (If known)			Figures Appear
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		U\$-				
		US-				
		US-				
		US-				

		FO	REIGN PATEN	T DOCUMENTS				
Examiner Initials*	Cite No.¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	- kíl	Lines, V Passag	Columns, Where Relevant es or Relevant Appear	T°
a		DE 42 23 488 A1	1/20/1994	Katoshi	_			N
		DE 196 14 643 A1	10716/1997	Brennelsen		_		N
		JP HEI 5[1993]-57028	3/9/1993	Translated JP patent application	Pi-			
Œ_		GB 1328033	8/22/1973	Phillips Electronic Assoc.	~	[]		N

		L Hirai	et al.		
Examiner	to -			Date Considered	4/11/05
Signature	C.				1711/07

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 If possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Substitute f	or Form 1	449/PTO)					Сотр	lete if Known		
INFO	RMA	TION	DIS	CLC	SU	RE	Application Numb	er	10/607,082		
							Filing Date		June 25, 2003	<u> </u>	
SIA	TEME					NI	First Named Inver	ntor:	Jeremy R. My	yles	
	(use as	many she	ets as nec	cessery)	,		Art Unit		2882		
							Examiner Name		TBA K	વિટ	
Sheet	C		5513P0)12	9		Attorney Docket	Vumber	5513P012		
				NON	N PAT	ENT LIT	ERATURE DOCU	MENTS			
Examiner Initials*	Cite No ¹			, maga:	zine, jo	umal, ser	TAL LETTERS), title of the article (when appropriate), title of the erial, symposium, catalog, etc.), date, page(s), volume-issue blisher, city and/or country where published				
:A		MASAHIRO et al., "Patient Beam 1982, Vol. 27, No. 2, pgs. 301-30						mages", Phys.	Med. Biol.,		
					5						
				_							
•											
٠											
								·			
									`		
					<u>,-</u>					·	
Examiner Signature	de.								Date Considered	4/11/0	5

^{*}Examiner. Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

^{&#}x27;Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

Substit		Form 1449A/PTO (Modifinany sheets as necessary)	ed)	Attorney Docket No.: 005513.P012	Application Nun 10/607,082	nber:	
	U.2 6 2	Mar &)		First Named Inventor: Jeremy R. Myles			
ADEMINADE N			Filing Date: 6/25/03	2882			
	MAUEM		U.S. PATEN	T DOCUMENTS			1
Exam. Initial*	Cite No.1	U.S. Patent Docum Number Kind Co (If	ent	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	.4 Ub
Æ		5,027,818		Bova et al.	7/2/91		
		6,325,758		Carol et al.	12/4/01		
	4	6,370,421		Williams et al.	4/9/02	-	
Ø,		US2001/0001807A1		Green	5/24/01		

Exam.	Cite	Fore	eign Patent D	ocument	Name of Patentee or Applicant	Date of	Pages,	τ
Initial*	No.¹	Office ³ Code ³	Number ⁴	Kind (If known)	of Cited Document	Publication of Cited Document MM-DD- YYYY	Columns, Lines, Where Relevant Passages or Relevant Figures Appear	

Examiner	do	Date Considered	/ / / / / / / / / / / / / / / / / / / /
Signature	- Car		4/11/05

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

^{&#}x27;Unique citation designation number. *See attached Kinds of U.S. Patent Documents. 'Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). 'For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 'Applicant is to place a check mark here if English language Translation is attached.

	<u> </u>				
	or Form 1449A/PTO (Modifies many sheets as necessary)	ed)	Attorney Docket No.: 005513.P012	Application Num 10/607,082	nber:
	OIPETO		First Named Inventor: Jeremy R. Myles		
OCT 0 7 2004 15			Filing Date: 6/25/03	289	32
	TRADEWARD	U.S. PATENT	DOCUMENTS		
Exam. Cite Initial* No.1	U.S. Patent Docum Number Kind C		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
&	5,956,382		Wiener-Avnear et al.	9/21/99	
Q/	2003/0007601A1		Jaffray et al.	1/9/03	

				GN PATENT DOCUMENTS			_
Exam. Cite	For	eign Patent D	ocument	Name of Patentee or Applicant	Date of	Pages,	lΤ
Initial* No.1	Office ³ Code ³	Number ⁴	Kind (If known)	of Cited Document	Publication of Cited Document MM-DD- YYYY	Columns, Lines, Where Relevant Passages or Relevant Figures Appear	•

Examiner Signature	Œ	Date Considered	4/11/05

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.

MI 23 MM Will

Substitute for form 1449APTO INFORMENTION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

-			
Sheet	1	of	1

Complete if Known				
Application Number	10/607,082			
Filing Date	June 25, 2003			
First Named Inventor	Jeremy R. Myles			
Art Unit	To be assigned 2867			
Examiner Name	To be assigned Kao			
Attorney Docket Number	5513P012			

			U.S. PATE	NT DOCUMENTS		
		Document Number	Publication Date			Pages, Columns, Lines, Where
Examiner Initials*	Cite No.*	Number - Kind Code ³ (if known)	or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	1 cl	Relevant Passages or Relevant
4		US-5,438,991	08-08-1995	Yu et al.		† <i></i> /
		US-			,	
		US-				•
		US-				
	<u> </u>	US-			-	
		US-				
		US-				
		US-				
		US-				
		US-				, , , , , , , , , , , , , , , , , , , ,
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

FOREIGN PATENT DOCUMENTS										
Examiner Initials*	Cite No.'	Foreign Patent Occument	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	۳				
		Country Code* - Number* - Kind Code* (if known)								
						-				
	-					-				
						L				
						-				

			W 1000	-
Examiner Signature	*	Date Considered	4/11/05	
	and the second s			

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication.

'Applicant's unique citation designation number (optional). "See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. "Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). "For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. "Ond of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. "Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wh) 08/11/2003.